Figure 1. Torque vs. Time Chart for Reactive Extrusion of PHBV with HEMA

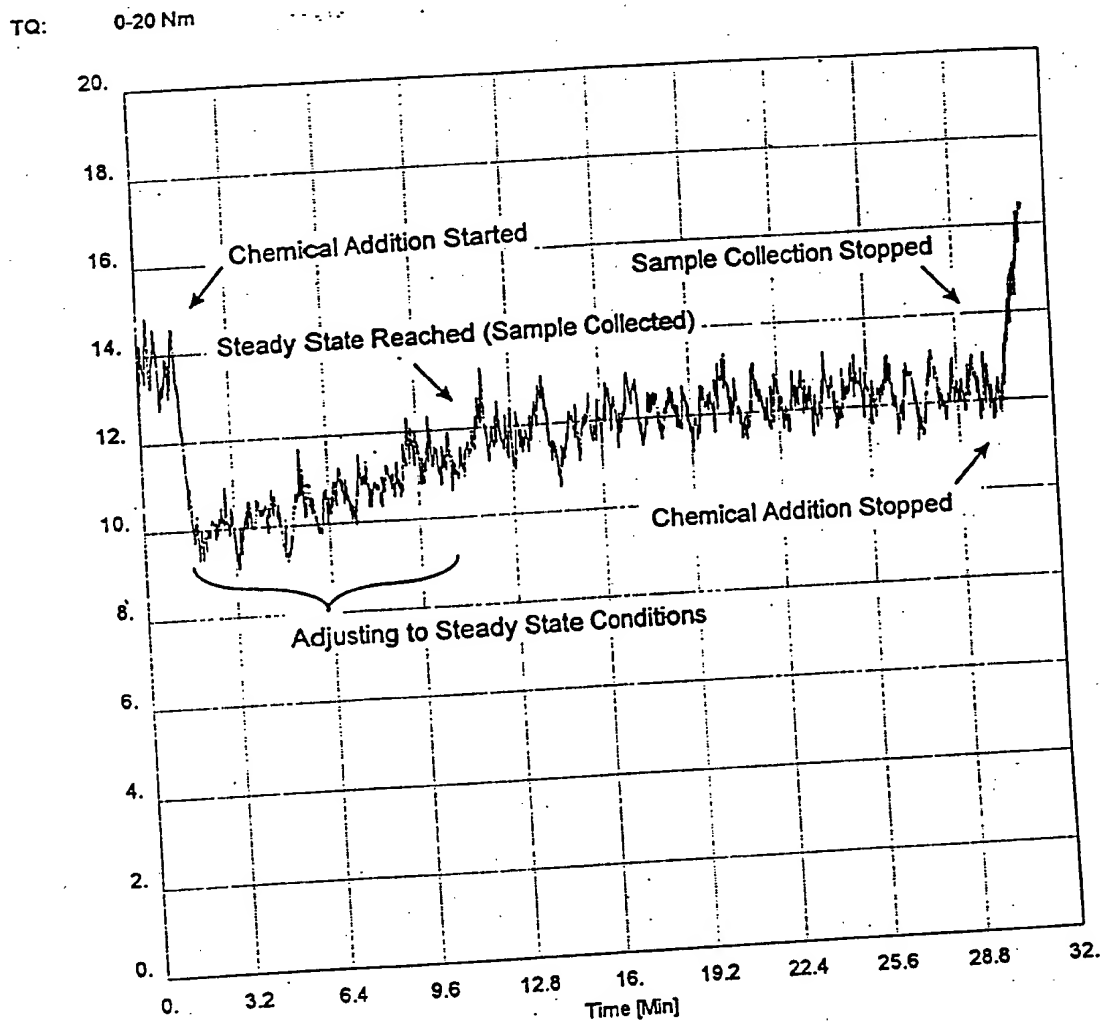
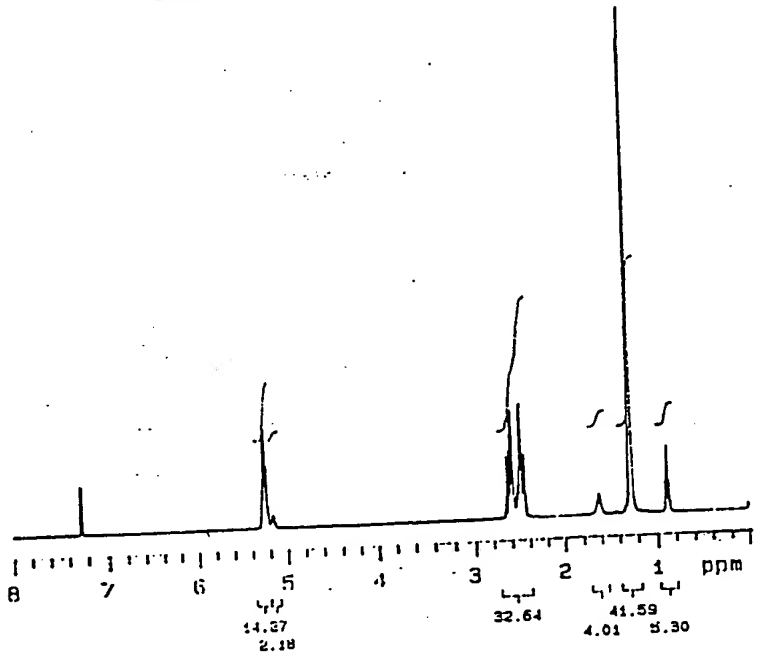


Figure 7 Proton NMR Spectra for PHBV and HEMA Grafted PHBV



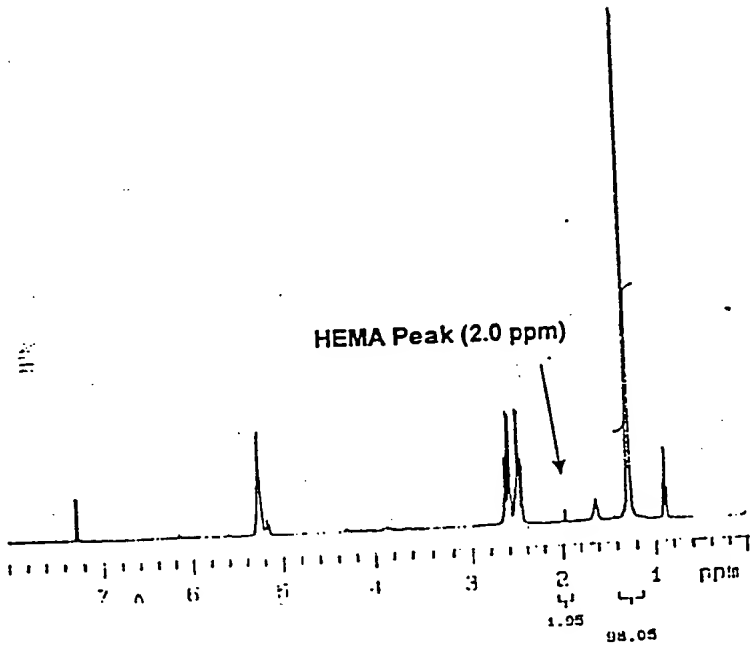


Figure 3 Melt Rheology at 180°C for PHBV and HEMA Grafted PHBV

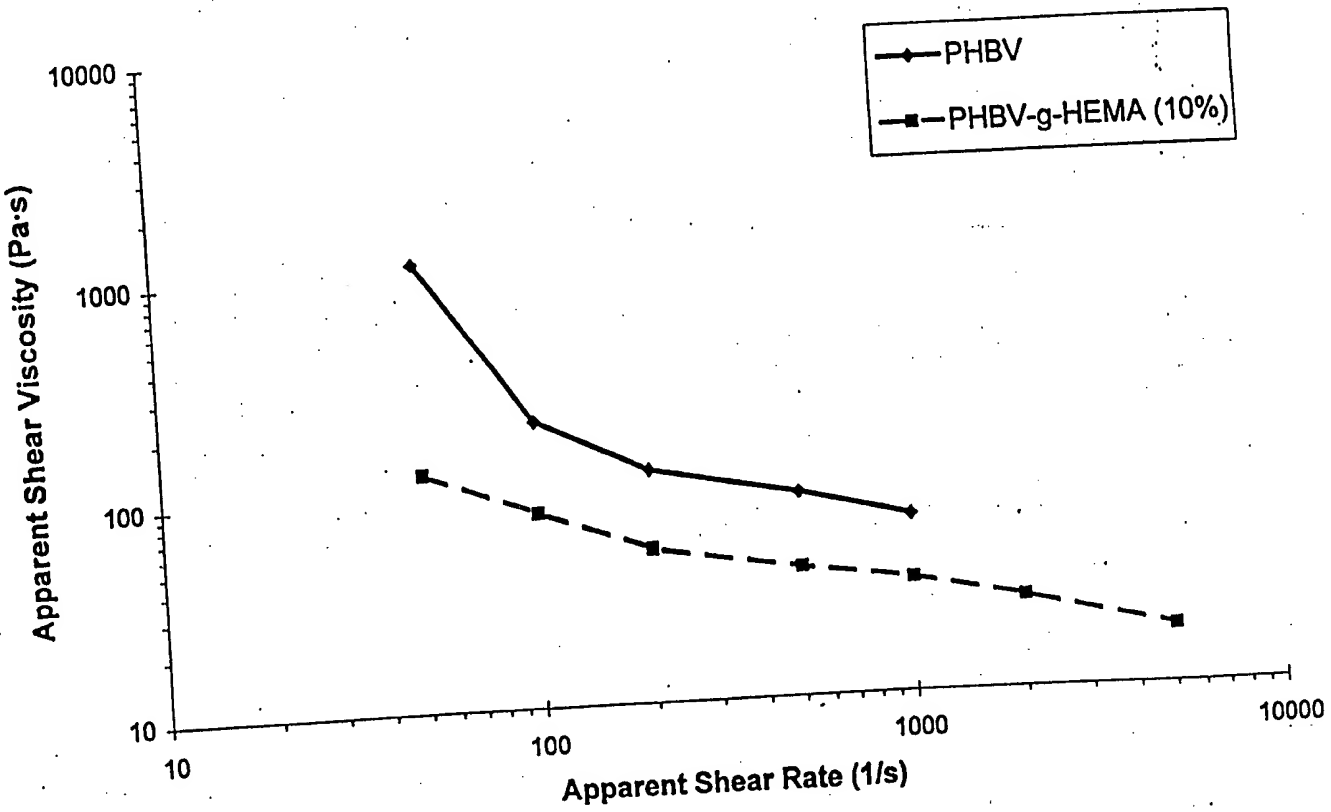
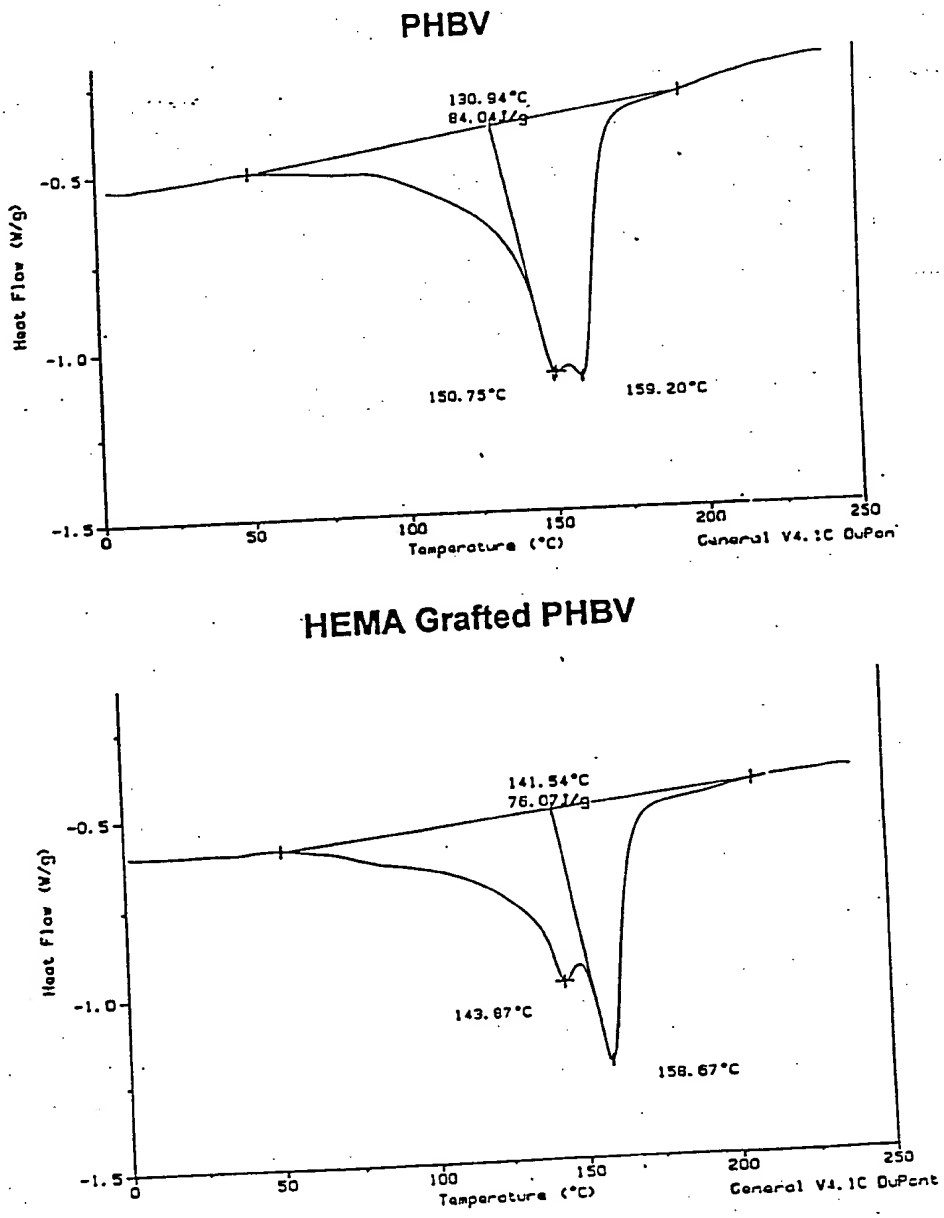


Figure 4 DSC Thermogram for PHBV and HEMA Grafted PHBV



Fi e 5 Torque vs. Time Chart for eactive Extrusion of PBS 1040 with PEGMA on the Haake Extruder

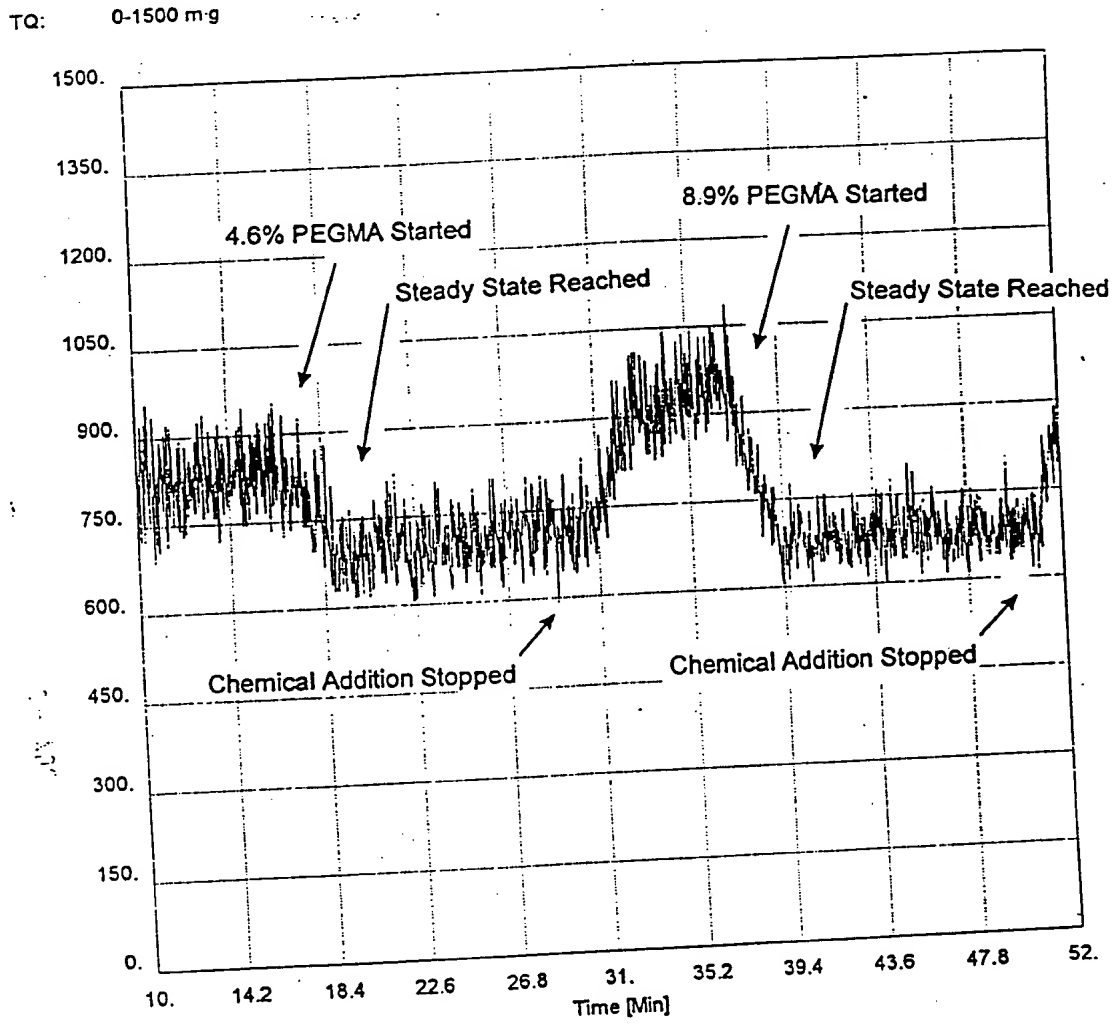


Figure 6 Proton NMR Spectra for PBS and PEGMA Grafted PBS 1040

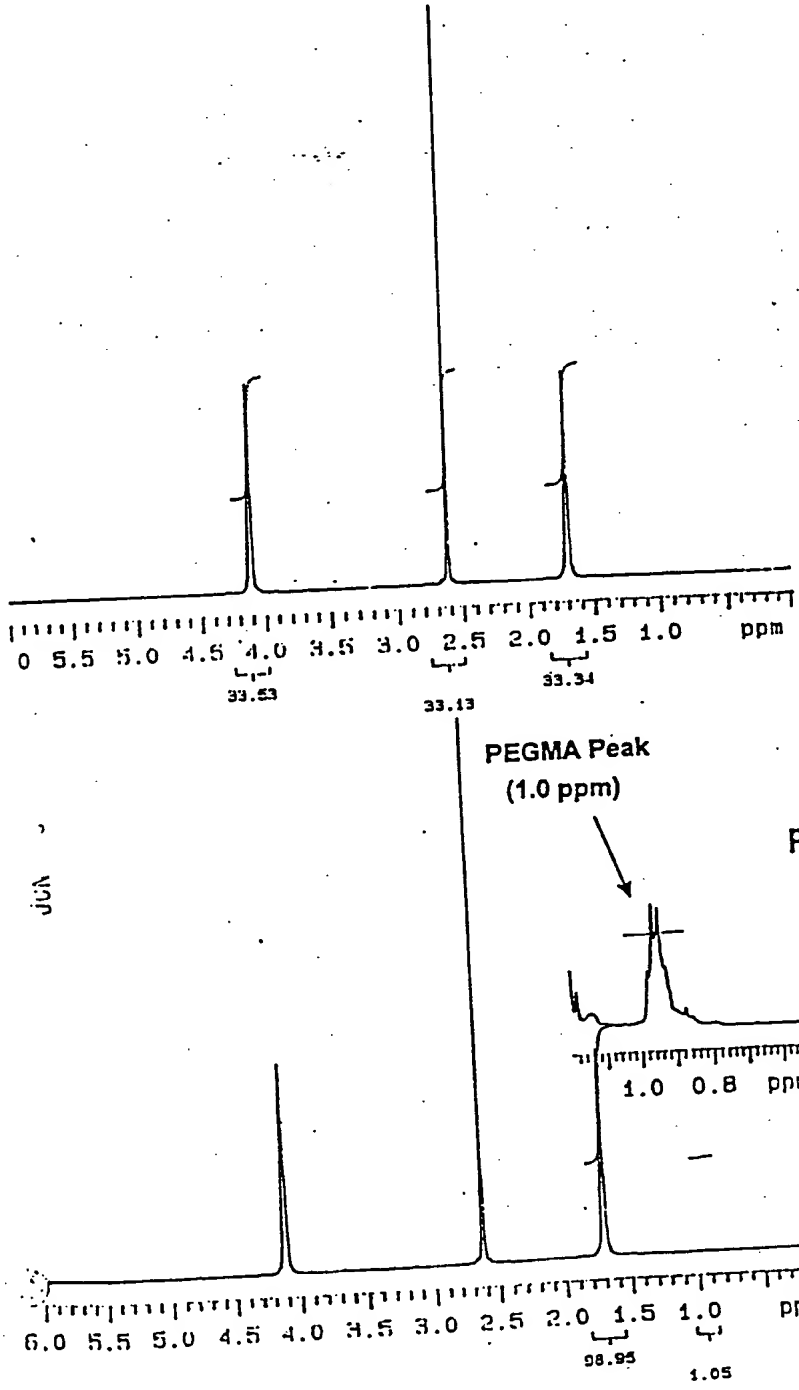


Figure 7 Melt Rheology at 180°C for PBS and PEGMA Grafted PBS (Bionolle® 1040)

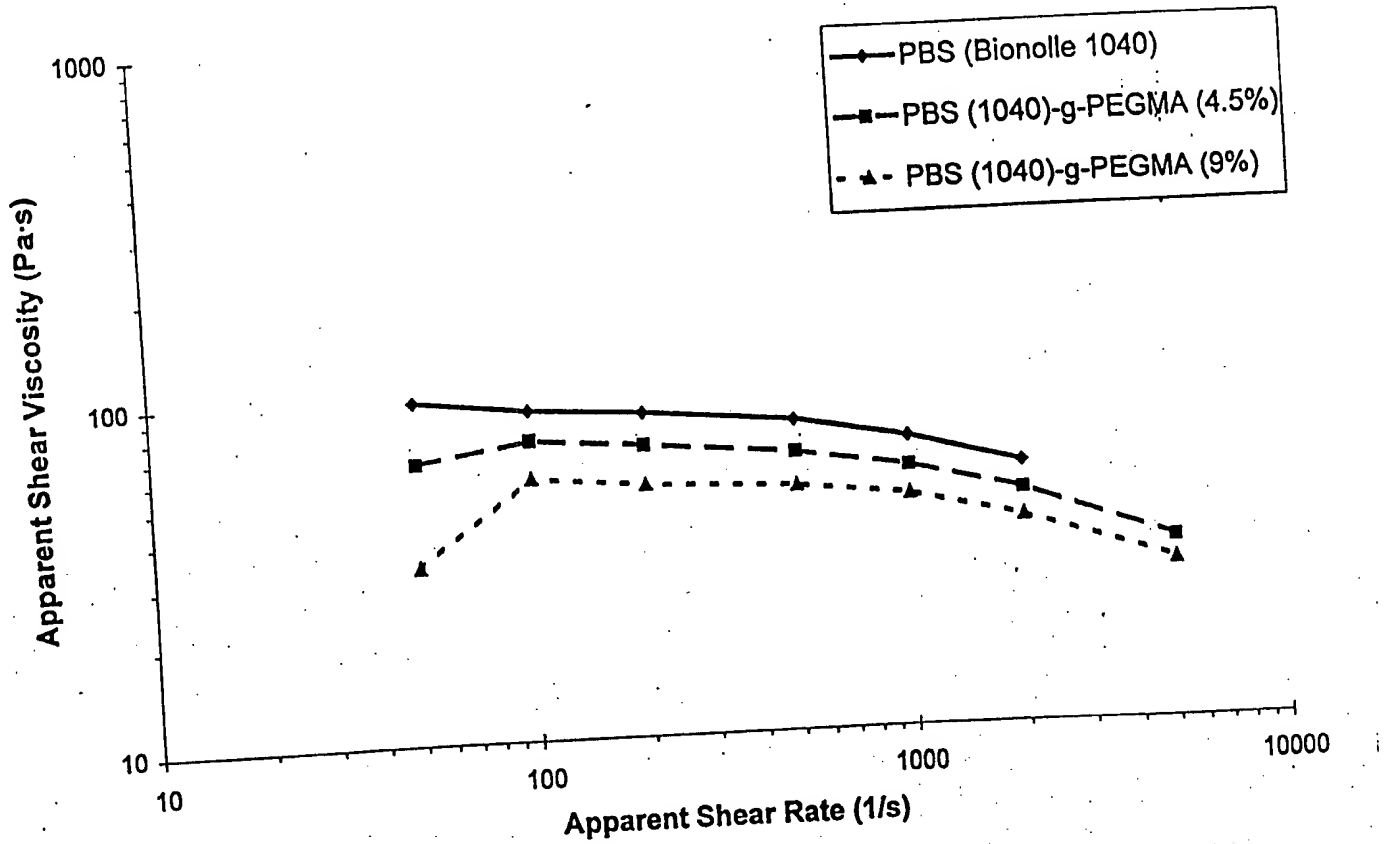


Figure 8 Melt Rheology at 180°C for PBS and HEMA Grafted PBS (Bionolle® 1020)

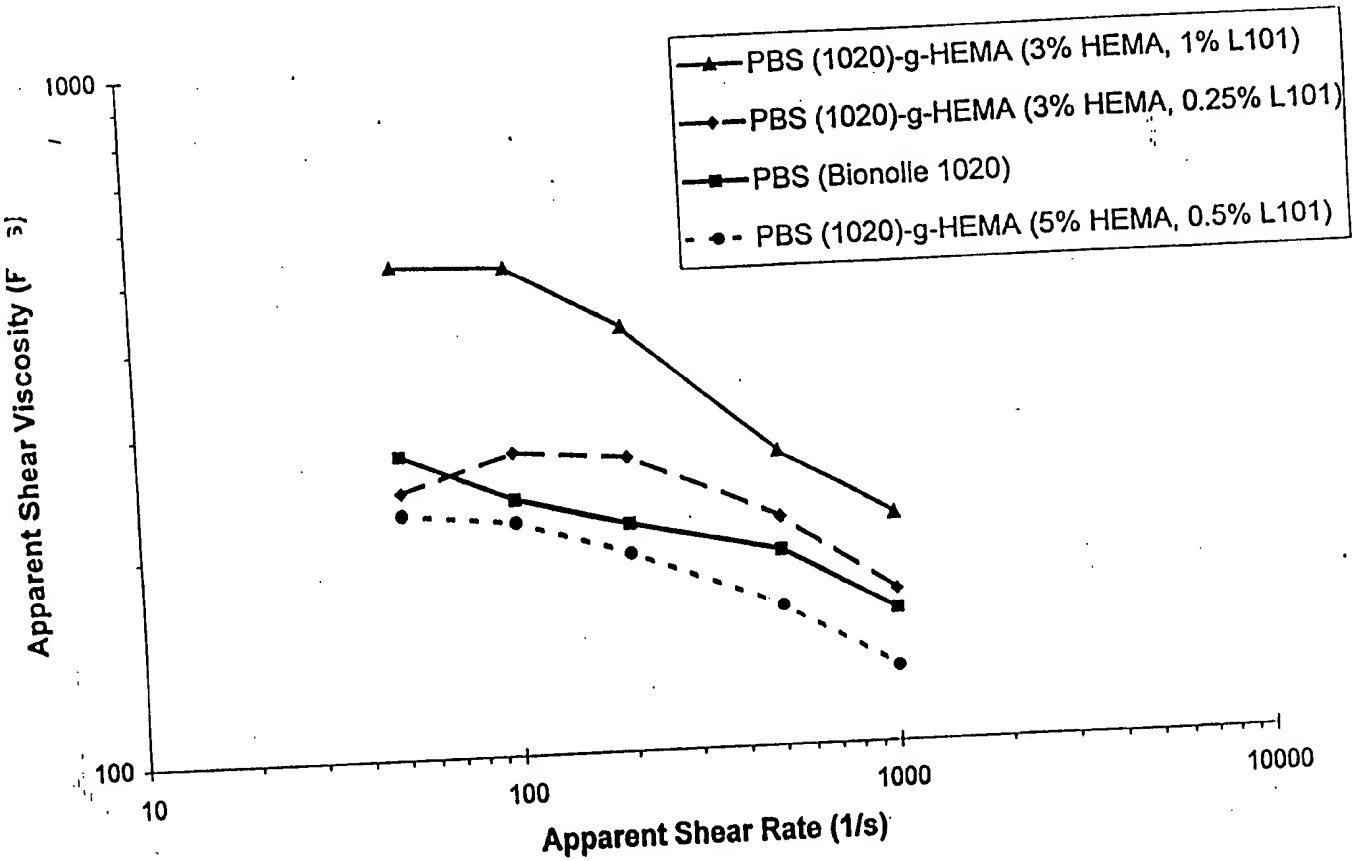


Figure 9 DSC Thermogram for PBS and PEGMA Grafted PBS 1040

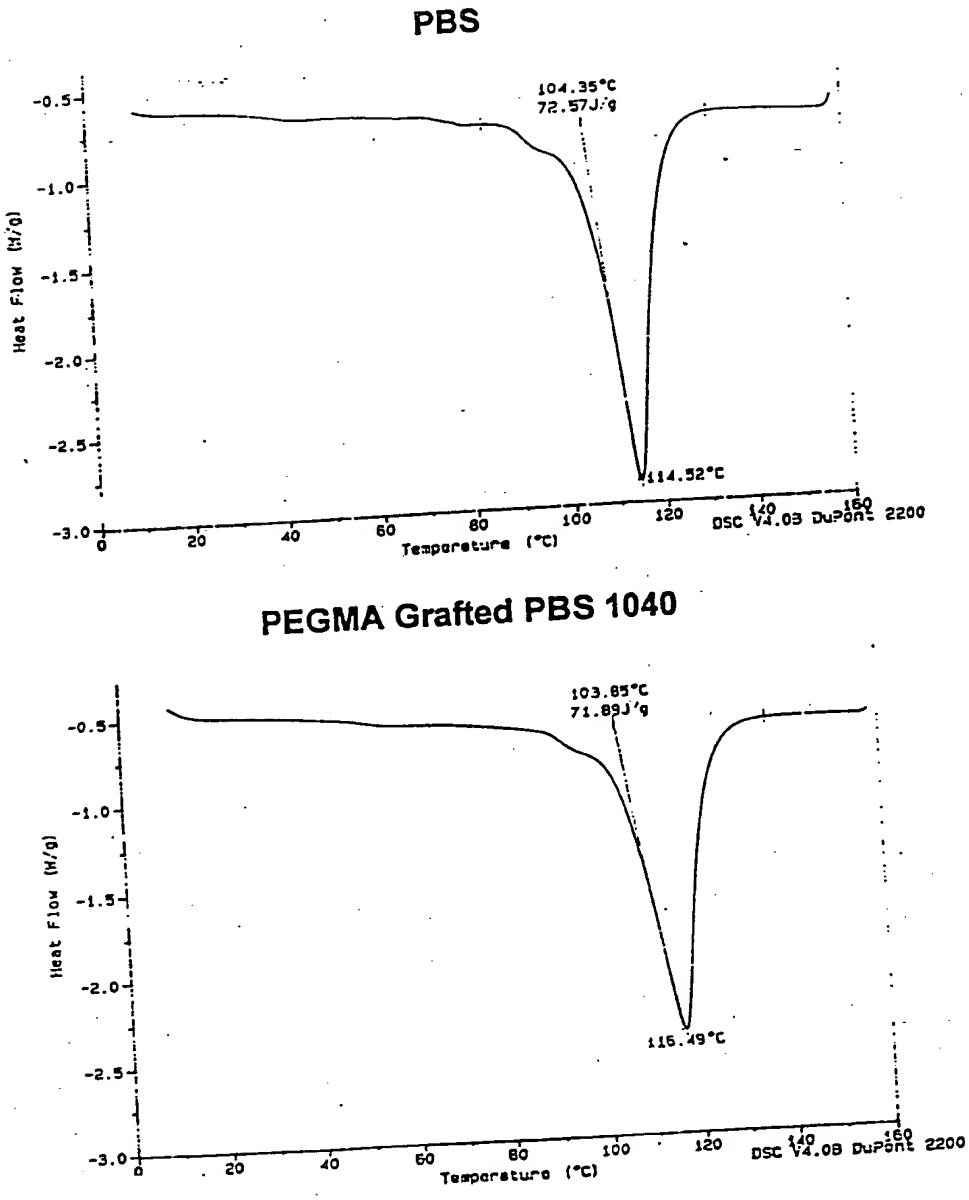
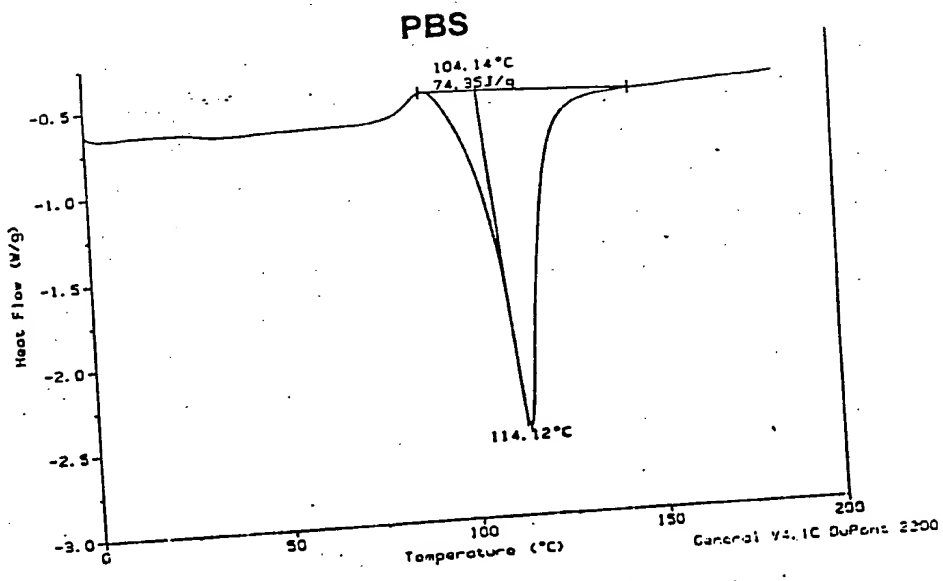


Figure 10 DSC Thermogram for PBS and HEMA Grafted PBS 1020



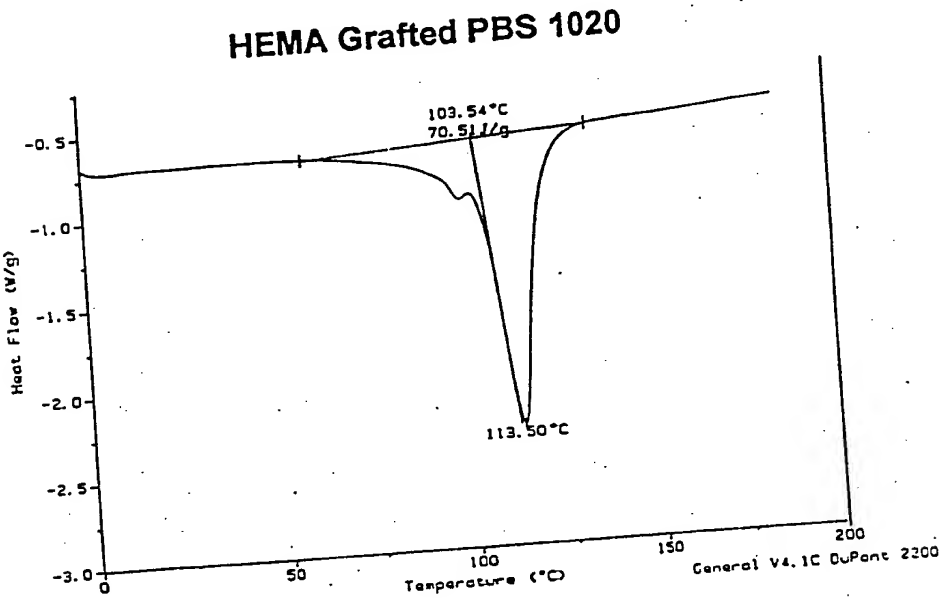


Figure 11

Figure 12

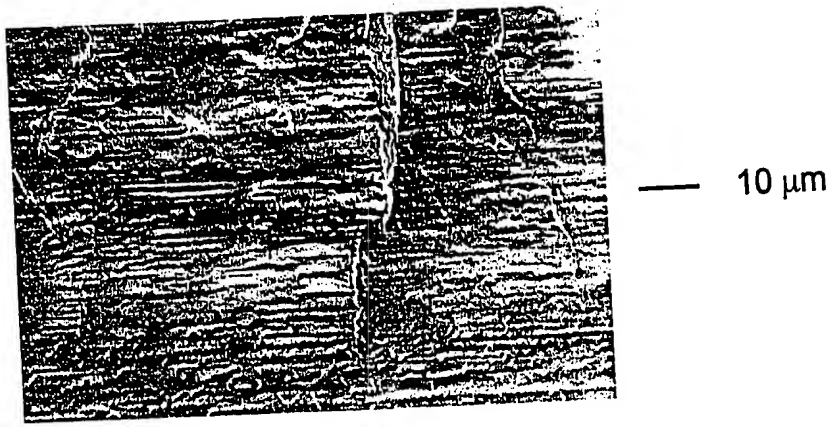


Figure 13

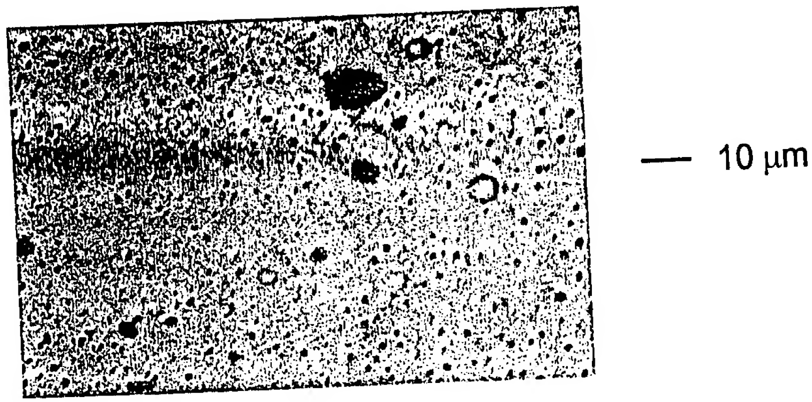


Figure 14

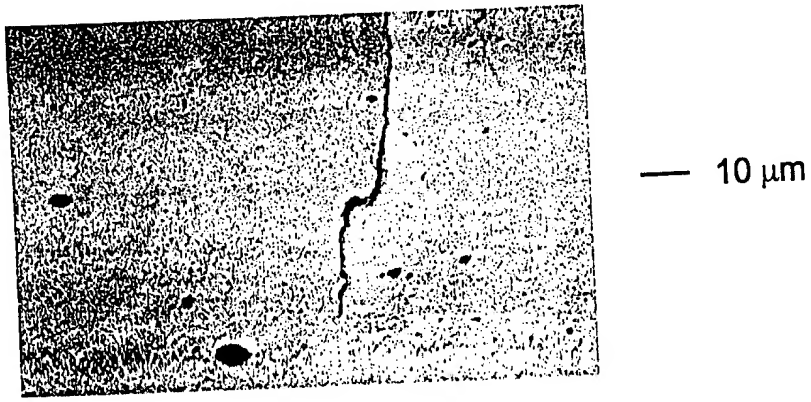


Figure 15

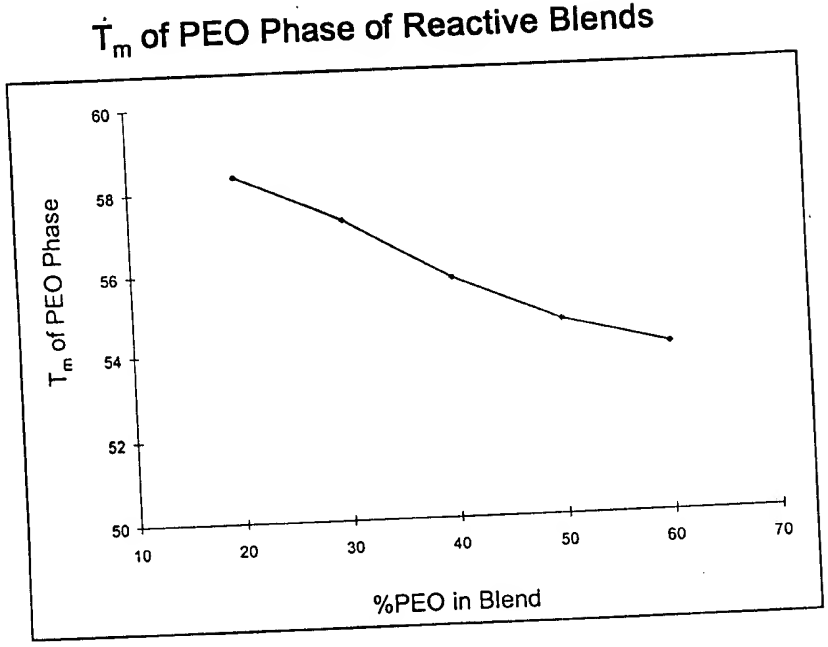


Figure 16

$\Delta T_m = T_m$ (PEO Phase of Physical Blends) - T_m (Reactive Blends)

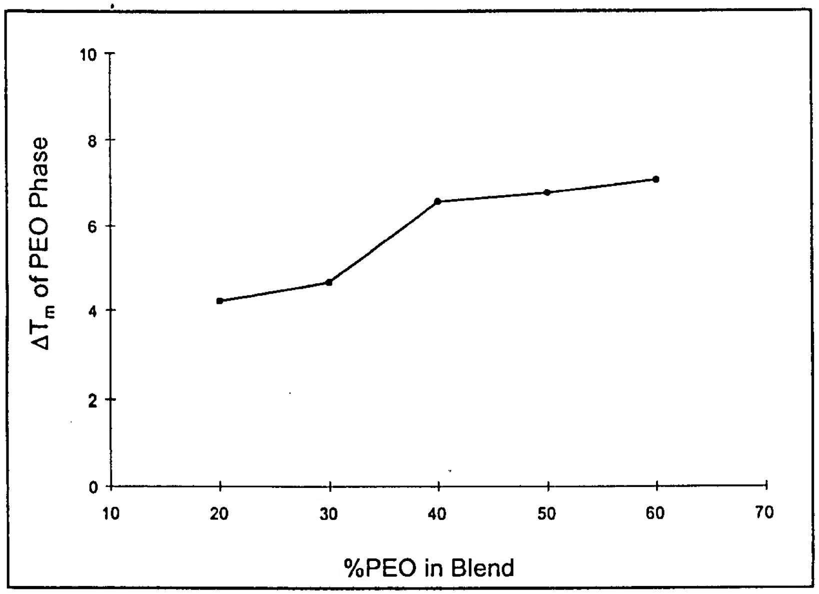


Figure 17 DSC Thermograms for PBS/PEO Physical and Reactive Blends

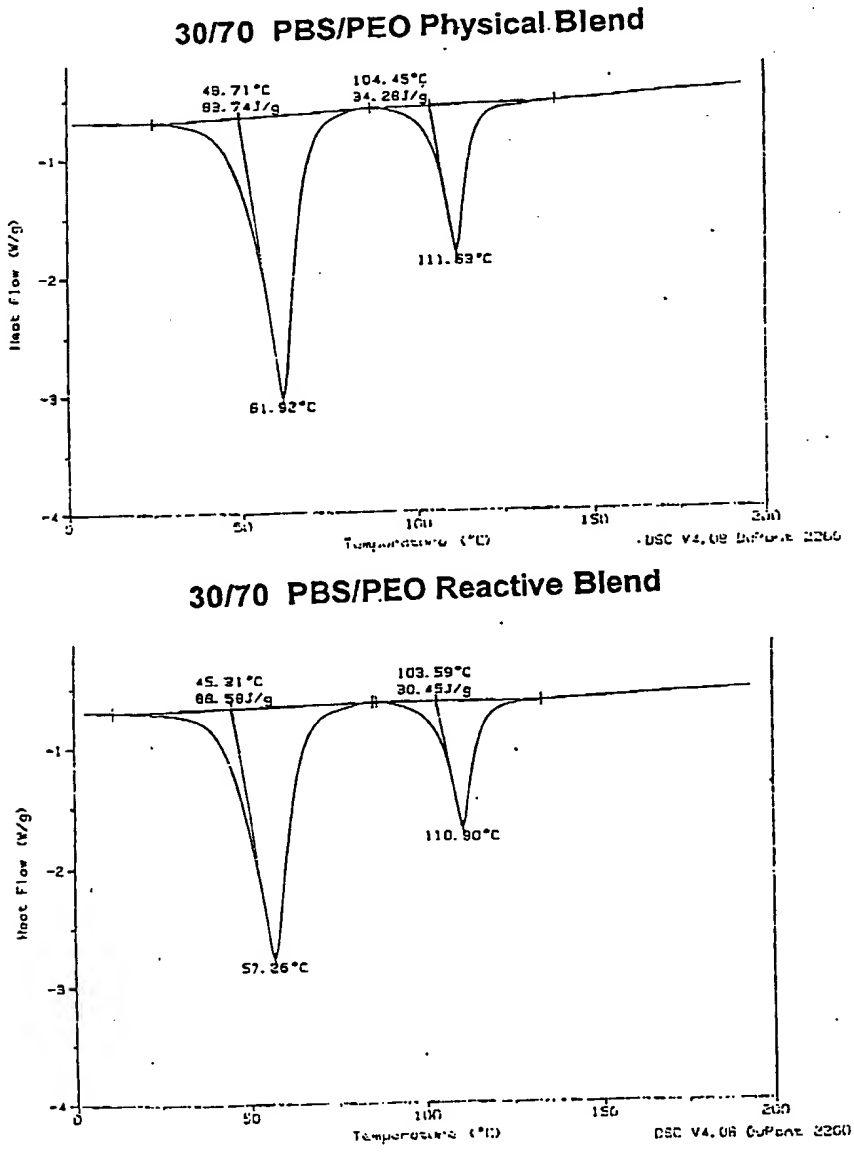


Figure 18 Melt Rheology at 195°C for PBS/PEO Physical and Reactive Blends